

WHAT IS CLAIMED IS:

1. A macroscopically three-dimensional cleaning sheet having a first outward surface and a second outward surface, wherein at least one of the outward surfaces has an Average Peak to Peak Distance of at least about 1 mm and a Surface Topography Index from about 0.01 to about 10.
2. The cleaning sheet of Claim 1 wherein the Average Height Differential of at least one of the outward surfaces is at least about 0.5 mm.
3. The cleaning sheet of Claim 2 wherein the Average Height Differential of at least one of the outward surfaces is at least about 1 mm.
4. The cleaning sheet of Claim 3 wherein the Average Height Differential of at least one of the outward surfaces is from about 1 mm to about 3 mm.
5. The cleaning sheet of Claim 1 wherein the Average Peak to Peak Distance of at least one of the outward surfaces is at least about 2 mm.
6. The cleaning sheet of Claim 5 wherein the Average Peak to Peak Distance of at least one of the outward surfaces is at least about 3 mm.
7. The cleaning sheet of Claim 1 wherein the Average Peak to Peak Distance of at least one of the outward surfaces is from about 1 to about 20 mm.
8. The cleaning sheet of Claim 7 wherein the Average Peak to Peak Distance of at least one of the outward surfaces is from about 4 to about 12 mm.
9. The cleaning sheet of Claim 1 wherein the Surface Topography Index of at least one of the outward surfaces is from about 0.1 to about 5.
10. The cleaning sheet of Claim 9 wherein the Surface Topography Index of at least one of the outward surfaces is from about 0.2 to about 3.

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11. The cleaning sheet of Claim 10 wherein the Surface Topography Index of at least one of the outward surfaces is from about 0.3 to about 2.

12. The cleaning sheet of Claim 1 wherein said cleaning sheet has an Average Peak to Peak Distance of from about 3 mm to about 16 mm, a Surface Topography Index of from about 0.1 to about 5, and an Average Height Differential of from about 0.5 to about 6.

13. The cleaning sheet of Claim 12 wherein said cleaning sheet is a hydroentangled cleaning sheet.

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14. The cleaning sheet of Claim 1 wherein said cleaning sheet has an Average Peak to Peak Distance of from about 4 mm to about 12 mm, a Surface Topography Index of from about 0.2 to about 3, and an Average Height Differential of from about 1 to about 3.

15. The cleaning sheet of Claim 14 wherein said cleaning sheet is a hydroentangled cleaning sheet.

16. The cleaning sheet of Claim 1 wherein said cleaning sheet is a hydroentangled cleaning sheet.

17. The cleaning sheet of Claim 1 having an additive applied at a low effective level to provide improved adhesion of soil to the sheet.

18. The cleaning sheet of Claim 17 wherein additive is included at an add-on level of at least about 0.01%, by weight of the sheet.

19. The cleaning sheet of Claim 18 wherein additive is included at an add-on level of at least about 1%, by weight of the sheet.

20. The cleaning sheet of Claim 19 wherein additive is included at an add-on level of from about 1 to about 15%, by weight of the sheet.

21. The cleaning sheet of Claim 20 wherein additive is included at an add-on level of from about 3 to about 10%, by weight of the sheet.

22. The cleaning sheet of Claim 17 wherein the additive is a mixture of mineral oil and a wax.

23. A macroscopically three-dimensional cleaning sheet having a first outward surface and a second outward surface, wherein at least one of the outward surfaces has (i) an Average Peak to Peak Distance of from about 1 to about 20 mm; (ii) a Surface Topography Index from about 0.2 to about 3; and (iii) an Average Height Differential of at least about 0.5 mm.

24. The cleaning sheet of Claim 23 wherein at least one of the outward surfaces has an Average Peak to Peak Distance of from about 4 to about 12 mm.

25. The cleaning sheet of Claim 23 wherein at least one of the outward surfaces has a Surface Topography Index of from about 0.3 to about 2.

26. The cleaning sheet of Claim 23 having an additive applied at a low effective level to provide improved adhesion of soil to the sheet.

27. A macroscopically three-dimensional, hydroentangled, nonwoven cleaning sheet for removing dust from a surface, said cleaning sheet comprising at least two fibrous layers; wherein said fibrous layers are hydroentangled with each other; wherein said cleaning sheet has an Average Peak to Peak Distance of from about 3 mm to about 16 mm, a Surface Topography Index of from about 0.1 to about 5, and an Average Height Differential of from about 0.5 to about 6.

28. The cleaning sheet of Claim 27 wherein said cleaning sheet further comprises a scrim material; wherein said fibrous layers are hydroentangled with said scrim material.

29. The cleaning sheet of Claim 28 wherein said scrim material is made of a material selected from the group consisting of polyethylene, polypropylene, copolymers of polyethylene, copolymers of polypropylene, poly(butylene terephthalate), polyethylene terephthalate, nylon, and mixtures thereof.

30. The cleaning sheet of Claim 29 wherein said scrim material is made of polypropylene.

31. The cleaning sheet of Claim 27 wherein said cleaning sheet further comprises an additive selected from the group consisting of ~~surfactant~~, wax, oil, and mixtures thereof; wherein said additive is included on said cleaning sheet at a level of from about 0.1% to about 25% by weight.

32. The cleaning sheet of Claim 31 wherein said additive is selected from the group consisting of wax, oil, and mixtures thereof.

33. The cleaning sheet of Claim 32 wherein said additive is a mixture of wax and oil.

34. The cleaning sheet of Claim 33 wherein said mixture of wax and oil contains a ratio of said wax to said oil of from about 3:7 to about 99:1.

35. The cleaning sheet of Claim 27 wherein said fibrous layers comprise fibers made of a material selected from the group consisting of natural cellulosic fibers, polyolefins, polyesters, polyamides, synthetic cellulosic fibers, cotton fibers, and mixtures thereof.

36. The cleaning sheet of Claim 35 wherein said fibers are made of polyester.

37. A macroscopically three-dimensional, hydroentangled, nonwoven ~~cleaning sheet~~ for removing dust from a surface, ~~said cleaning sheet comprising at least two fibrous layers and a~~ ~~scrim~~ material; wherein said fibrous layers are hydroentangled with ~~said~~ ~~scrim~~ material; wherein ~~said~~ ~~cleaning sheet has an~~ Average Peak to Peak Distance of from about 4 mm to about 12 mm, a Surface Topography Index of from about 0.2 to about 3, and an Average Height Differential of from about 1 to about 3.

38. The cleaning sheet of Claim 37 wherein said cleaning sheet further comprises an additive selected from the group consisting of ~~surfactant~~, wax, oil, and mixtures thereof; wherein said additive is included on said cleaning sheet at a level of from about 4% to about 8% by weight.

39. The cleaning sheet of Claim 38 wherein said additive is selected from the group consisting of wax, oil, and mixtures thereof.

40. The cleaning sheet of Claim 37 wherein said fibrous layers comprise fibers made of a material selected from the group consisting of natural cellulosic fibers, polyolefins, polyesters, polyamides, synthetic cellulosic fibers, cotton fibers, and mixtures thereof.

41. The cleaning sheet of Claim 40 wherein said fibers are made of polyester.

42. The cleaning sheet of Claim 37 wherein said scrim material is made of a material selected from the group consisting of polyethylene, polypropylene, copolymers of polyethylene, copolymers of polypropylene, poly(butylene terephthalate), polyethylene terephthalate, nylon, and mixtures thereof.

43. The cleaning sheet of Claim 42 wherein said scrim material is made of polypropylene.

44. A cleaning implement comprising:

Not shown

- a. a handle; and
- b. a removable cleaning sheet, wherein said cleaning sheet is the cleaning sheet of Claim 1.

45. A cleaning implement comprising:

- a. a handle; and
- b. a removable cleaning sheet, wherein said cleaning sheet is the cleaning sheet of Claim 12.

46. A cleaning implement comprising:

- a. a handle; and
- b. a removable cleaning sheet, wherein said cleaning sheet is the cleaning sheet of Claim 14.

47. A cleaning implement comprising:

- a. a handle; and

b. a removable cleaning sheet, wherein said cleaning sheet is the cleaning sheet of Claim 23.

48. A cleaning implement comprising:

- a. a handle; and
- b. a removable cleaning sheet, wherein said cleaning sheet is the cleaning sheet of Claim 27.

49. A cleaning implement comprising:

- a. a handle; and
- b. a removable cleaning sheet, wherein said cleaning sheet is the cleaning sheet of Claim 37.

50. A method for removing dust from a surface, said method comprising the step of contacting said surface with the cleaning sheet of Claim 1.

51. A method for removing dust from a surface, said method comprising the step of contacting said surface with the cleaning sheet of Claim 12.

52. A method for removing dust from a surface, said method comprising the step of contacting said surface with the cleaning sheet of Claim 14.

53. A method for removing dust from a surface, said method comprising the step of contacting said surface with the cleaning sheet of Claim 23.

54. A method for removing dust from a surface, said method comprising the step of contacting said surface with the cleaning sheet of Claim 27.

55. A method for removing dust from a surface, said method comprising the step of contacting said surface with the cleaning sheet of Claim 37.

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